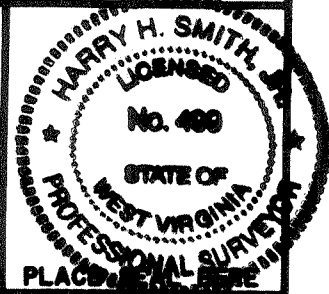


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7054  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION EXISTING WELL

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) Harry H. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 495



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
**OIL AND GAS DIVISION**

DATE JANUARY 9, 1998  
 OPERATOR'S WELL NO. 7054  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE X DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_

LOCATION: ELEVATION 300.2' WATER SHED Flatwood Run of Indian Creek  
 DISTRICT Eik COUNTY Kanawha  
 QUADRANGLE Blue Creek WY COORDINATES LAT: 38°24'24" LONG: 81°28'22"

SURFACE OWNER Chester B. Young ACREAGE 30.82  
 OIL & GAS ROYALTY OWNER Wanetta Morris, Et Al. LEASE ACREAGE 106  
 COAL OWNER Wanetta Morris, Et Al. LEASE NO. 1004764

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

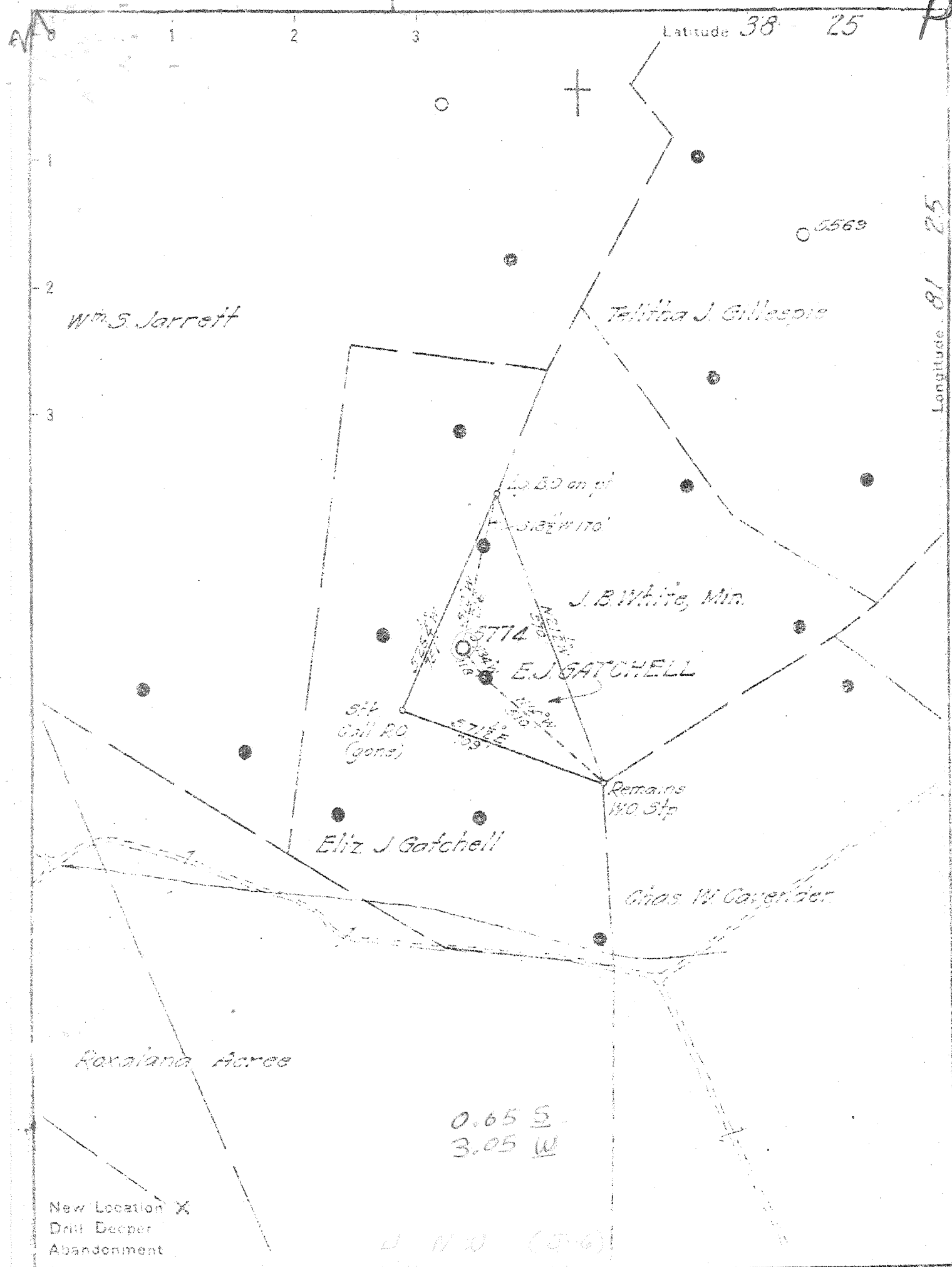
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 5330'

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

FEB 20 1998

DEEPWELL

KANAWHA COUNTY NAME PERMIT 1280



Company UNITED FUEL GAS CO.  
 Address CHARLESTON W. VA.  
 Farm E. J. GATCHELL  
 Tract \_\_\_\_\_ Acres 37 Lease No. 4764  
 Well Farm No. \_\_\_\_\_ Serial No. 5774  
 Elevation Spirit Level 873.30 Gt.  
 Quadrangle GLENDENIN - WC  
 County KANAWHA District ELK  
 Engineer M. H. Moore  
 Engineer's Registration No. 662  
 File No. 70-53 Drawing No. \_\_\_\_\_  
 Date APR 26 1945 Scale 1"=400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. KAN-1280

+ Denotes location of well on United States  
 Topographic Maps, scale 1 to 62,500, lat-  
 itude and longitude lines being represented  
 by border lines as shown.

- Denotes one inch spaces on border line  
 of original tracing

*Deep Well*

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Kan 1280  
Clendenin Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral

United Fuel Gas Company  
P.O. Box 1273, Charleston 25, W.Va.  
E.J. Gatchell Acres 37  
Pinch Creek  
5774 Elev. 900.16 GR  
Elk Kanawha County

Gas Well  
CASING & TUBING

|  |        |      |
|--|--------|------|
|  | 13 3/8 | 500  |
|  | 10 1/2 | 1644 |
|  | 8 5/8  | 2188 |
|  | 7      | 5123 |

Clyde H. Catchell, Agent  
439-9th St., Massillon, Ohio

Coal at 225' 24"  
479' 24"

Commenced 5-25-46  
Completed 9-9-46  
Not shot  
Rock Pressure 900 lbs. 17 hrs.  
Fresh Water 778' 2 BPH;  
Salt Water 1033' H.F.

|                      |      |      |                  |
|----------------------|------|------|------------------|
| Surface              | 0    | 18   |                  |
| Slate                | 18   | 35   |                  |
| Sand                 | 35   | 65   |                  |
| Slate                | 65   | 112  |                  |
| Blue Slate           | 112  | 148  |                  |
| Sand                 | 148  | 184  |                  |
| Slate                | 184  | 225  |                  |
| Coal                 | 225  | 227  | <i>no block?</i> |
| Slate                | 227  | 240  |                  |
| Sand                 | 240  | 303  |                  |
| Slate                | 303  | 335  |                  |
| Sand                 | 335  | 354  |                  |
| Slate & Shells       | 354  | 425  |                  |
| Sand                 | 425  | 450  |                  |
| Slate                | 450  | 479  |                  |
| Coal                 | 479  | 481  |                  |
| Sand                 | 481  | 514  |                  |
| Slate & Shells       | 514  | 550  |                  |
| Sand                 | 550  | 585  |                  |
| Slate                | 585  | 627  |                  |
| Sand                 | 627  | 684  |                  |
| Slate & Shells       | 684  | 715  |                  |
| Sand                 | 715  | 775  |                  |
| Slate                | 775  | 782  |                  |
| Sand                 | 782  | 830  |                  |
| Slate & Shells       | 830  | 925  |                  |
| *Salt Sand           | 925  | 1455 |                  |
| Slate                | 1455 | 1460 |                  |
| Red Rock             | 1460 | 1465 |                  |
| White Slate          | 1465 | 1472 |                  |
| Slate & Shells       | 1472 | 1535 |                  |
| Maxon Sand           | 1535 | 1589 |                  |
| Slate                | 1589 | 1591 |                  |
| *Little Lime         | 1591 | 1628 |                  |
| *Pencil Cave         | 1628 | 1633 |                  |
| *Big Lime            | 1633 | 1798 |                  |
| Keener Sand          | 1798 | 1835 |                  |
| Slate                | 1835 | 1859 |                  |
| Injun Sand           | 1859 | 1872 | Gas 1820 show    |
| Lime                 | 1872 | 1883 |                  |
| Sand                 | 1883 | 1893 |                  |
| Slate                | 1893 | 1925 |                  |
| Weir Sand            | 1925 | 2070 | Gas 1945 show    |
| Slate & Shells       | 2070 | 3825 | Oil 2050 show    |
| Br. Shale and Shells | 3825 | 4163 | Gas 5230-5238    |
| White Slate          | 4163 | 4615 |                  |
| Brown Shale          | 4615 | 4995 |                  |
| White Slate          | 4995 | 5030 |                  |
| Black Shale          | 5030 | 5103 |                  |
| *Corniferous Lime    | 5103 | 5214 |                  |
| Oriskany Sand        | 5214 | 5248 |                  |
| Total Depth          |      | 5248 |                  |



4-9-98 Pulled ' of 2-3/8", 4.6 lb tubing, drilled new hole 5270' - 5327', ran 5277' of 4-1/2", 11.6lb, N-80 casing and cemented with 90 sx of Class "A" cement.

4-21-98 Perforated Oriskany from 5222' - 5236' with 6 shots per foot.

4-22-98 Fractured Oriskany with N2 Assisted Deltafrac with 434 bbls of H2O, 240 MSCF, 28,700# of 20/40 sand at 1 - 4 PPG.